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ABSTRACT

The purpose of the Australian conference on mathematical assessment was to address the challenges to traditional methods of assessment that have resulted as part of the call for reform in the mathematics curriculum. The 28 papers presented were: "Who Assesses Whom and To What Purpose?" (Leone Burton; "Assessment of the Learned Structure in Elementary Mathematics and Science" (Kevin Collis); "Concerning about Mathematics Assessment in the United States" (Thomas Romberg); "Assessment: No Change without Problems" (Jan De Lange); "Measurement Models for New Forms of Assessment in Mathematics Education" (Mark Wilson); "Adult Numeracy in an Industrial Context: An Emerging Research Agenda" (Patrick Griffin); "Assessment: As We Sow We Reap" (Gilah Leder); "Developing Assessment Strategies for Mathematics Projects" (Christopher Haines); "New Procedures for Diagnostic Assessment in Arithmetic" (Joy Cummings & John Elkins); "Assessment of School-Based Work" (Sue Jennings); "The Assessment Implications of Open-Ended Tasks in Mathematics" (David Clarke & Peter Sullivan); "Assessment Post Sixteen" (Nigel Price); "Assessment of Challenging Problems and Project Work in Senior Secondary Mathematics" (Gary Davis & Andrew Waywood); "The Development of a Clinical Tool for Initial Assessment of a Student's Mathematics Learning" (Robert Hunting & Brian Doig); "Affective Considerations in Assessing Mathematics" (Beth Southwell & Mon Khamis); "Classroom Practicalities and Constructive Assessment" (David Clarke & Jenny Reed); "Mathematics Profiles (Sue Ferguson); "Comprehensive Assessment at Senior Secondary Level in Victoria" (Max Stephens); "System-Wide Assessment of Extended Mathematical Tasks" (Robert Money & Sue Proud); "Criteria and Standards Based Assessment in Applied Statistical Mathematics" (Graham Maxwell); "Early Experiences in Measurement - Future Directions in Mathematics Programs in Primary Schools (Annette Willis); "Assessing, Grading, and Reporting on Informal Writing for Learning Mathematics" (Andrew Waywood); "Spatial Mathematics: A Group Test for Primary School

Students" (Kay Owens); "Patterns of Development with Probability Concepts: Assessment for Informative Purposes: (John Izard); "Assessing Students' Mode of Understanding at the Upper Primary and Secondary Level in the Mathematical Sciences" (John Pegg); "Computerized Assessment in Pretertiary Mathematics" (Kenneth Mann); "Assessment Using a Computer Assisted Learning and Testing System (CALTS)" (Ernest Yu & Rory McAuliffe); and "International Comparison of Grade 7 Students on a Multiple-Choice Mathematics Test" (Vivekanand Mohan-Ram). (CRW)

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